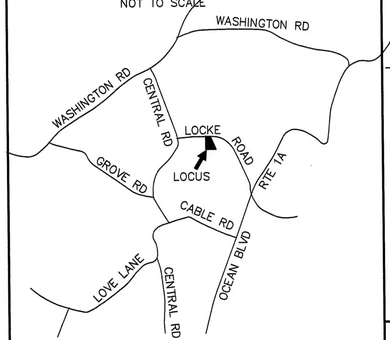
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC, 43 CANTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET HUB EL 50.00

#2 SET DH CONCRETE POST EL 53.46

#3 SET PK 3' UP IN 36" TREE EL 50.79

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 47.0
2. THERE IS/ARE APPROX 2.0 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. EL 49.0

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

50 / (50) — EXISTING CONTOUR; PROPOSED CONTOUR

50.0 — EXISTING SPOT ELEVATION

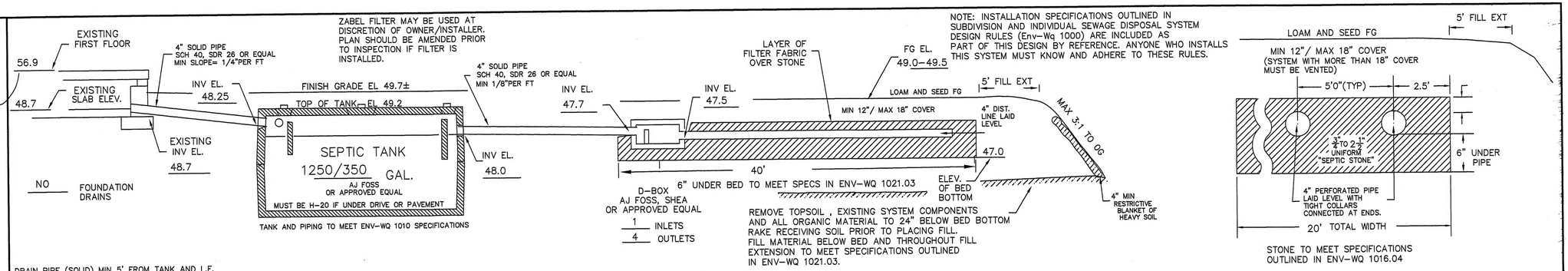
(50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD 2961–1471 AND APPROX STONE WALLS
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE 1967 SEE RCRD 947–306 (1938)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. a) NO SURFACE WATER WITHIN 100'
   b) NO ACTIVE WELLS WITHIN 100'
   c) NO HYDRIC B SOILS WITHIN 50'
   d) NO HYDRIC A SOILS WITHIN 75'
   OF PROPOSED SYSTEM
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.

PLOT PLAN

1"=APPROX _____

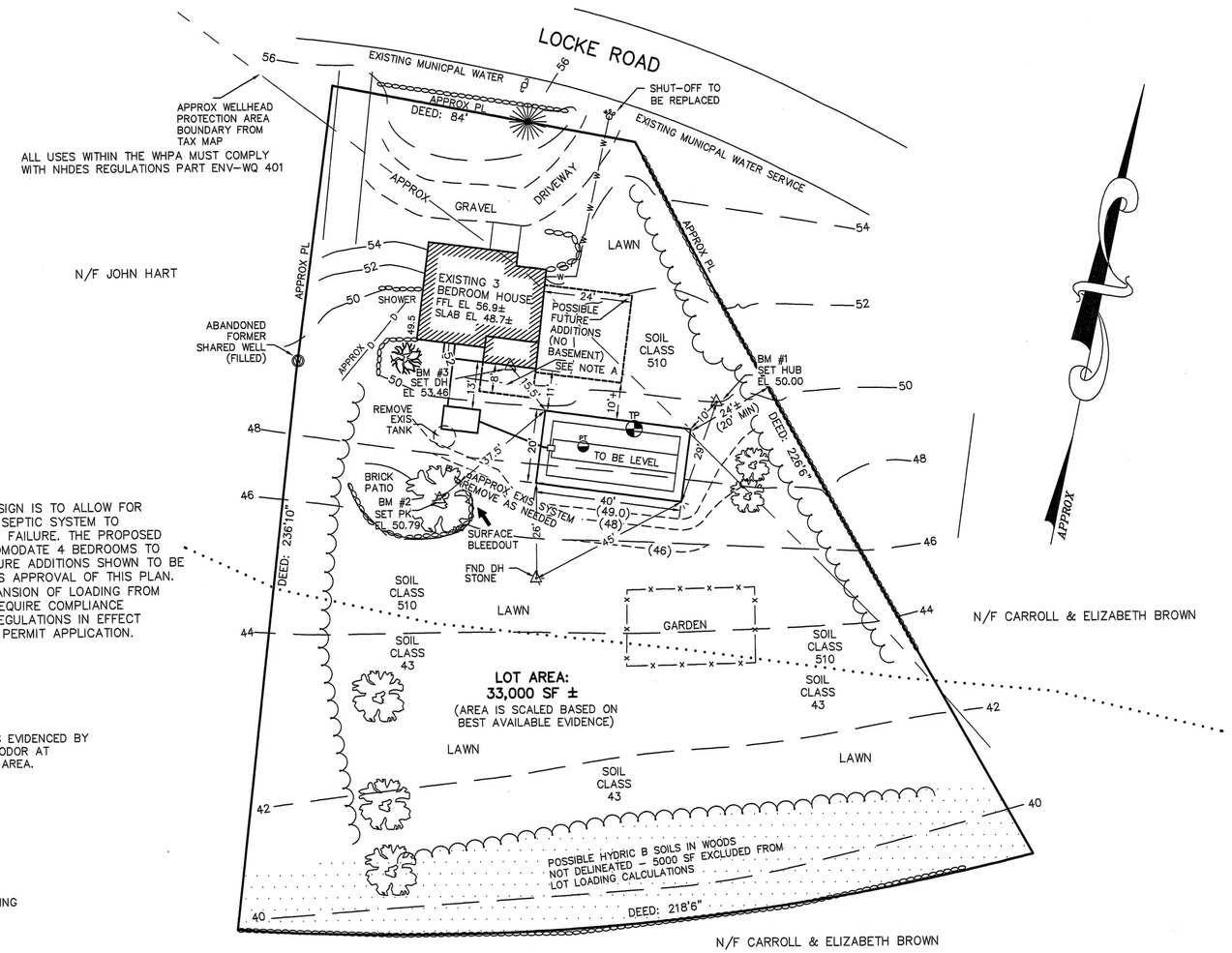


NOTE: INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (Env–Wq 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.

STONE TO MEET SPECIFICATIONS OUTLINED IN ENV–WQ 1016.04

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



NOTE A:
THE PURPOSE OF THIS DESIGN IS TO ALLOW FOR CONSTRUCTION OF A NEW SEPTIC SYSTEM TO CORRECT EXISTING SYSTEM FAILURE. THE PROPOSED SYSTEM IS SIZED TO ACCOMODATE 4 BEDROOMS TO ALLOW FOR POSSIBLE FUTURE ADDITIONS SHOWN TO BE INCLUDED BY NHDES IN ITS APPROVAL OF THIS PLAN. ANY ACTUAL FUTURE EXPANSION OF LOADING FROM 3 TO 4 BEDROOMS WILL REQUIRE COMPLIANCE WITH ALL TOWN OF RYE REGULATIONS IN EFFECT AT THE TIME OF BUILDING PERMIT APPLICATION.

EXISTING SYSTEM FAILURE IS EVIDENCED BY OBSERVABLE PONDING AND ODOR AT SITE OF EXISTING LEACHING AREA.

PROPOSED ISDS IS DESIGNED TO SERVICE 1 STRUCTURE WITH DISHWASHER, WASHING MACHINE, TOILETS, AND TUB/SHOWERS. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL.

TP TEST PIT DATA

DATE: SEPTEMBER 21, 2011

TOWN INSPECTOR: DENNIS PLANTE

TEST PIT #1 EL 49.0

0 –10"	10YR4/6 FINE SANDY LOAM TOPSOIL (TO BE REMOVED)
10–20"	10YR5/6 GRAVELLY FINE SANDY LOAM GRANULAR FRIABLE
20–72"	10YR4/6 STONY SANDY LOAM, STONES TO 24", FRIABLE/LOOSE

ROOTS TO 36"+, NO OBSERVED WATER, NO REFUSAL, NO EVIDENCE OF SHWT

PT PERC TEST DATA

PERC RATE: < 2 MIN/IN DEPTH: 30"

DESIGN LOADING: 4 BEDROOMS (SEE NOTE A)

AREA REQUIRED: 750 SF REQUIRED

AREA PROPOSED: 20' X 40' = 800 SF PROVIDED

LOT LOADING CALCULATIONS:
18000 SF GROUP 1 (HOOSIC) @2000 GPD/AC = 826 GPS ALLOWED (AB SLOPE, TOWN WATER)
10000 SF GROUP 2 (CANTON) @ 1538 GPD/AC = 353 GPD ALLOWED
5000 SF POSSIBLE GROUP 5 .... EXCLUDED FROM THIS CALCULATION.
TOTAL LOT AREA: 33,000 SF±, AT LEAST 1179 GPD ALLOWED
600 GPD DESIGN LOADING.

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 280 LOCKE ROAD
RYE, NH
TAX MAP 12 LOT 10

OWNER: JEFFREY & SHERRY WOOD
280 LOCKE ROAD
RYE, NH 03870

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

DATE: SEPTEMBER 27, 2011

APPROVAL: CA2011106254 10/3/11

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.